



Guide to Using Android OS on Desktop

INFO:

Android OS Created a revolution in the field of technology and communications and has become one of the most famous operating systems around the world as it used by more than 2.5 billion users making it the appropriate system for developers around the world



Electronic Horizons Foundation
is an independent foundation aims to
raise Security awareness among Muslims



Android OS Created a revolution in the field of technology and communications and has become one of the most famous operating systems around the world as it used by more than 2.5 billion users, making it the appropriate system for developers around the world to develop different applications and promote them , despite Google's dominance of the Android system and the security threats related to Android OS , however, most of the encrypted messaging companies rely mainly on smartphones, therefore it was necessary to provide a simplified guide to explain the use of Android system as a virtual system on desktop as the virtual system gives you full control of the operating system through the Android X86 project, through Installing the required applications, delete or modify basic applications or changing the hardware and networks .

AndroidX86 project is open source and free. It supports installing Android systems on computers and installing Android applications. Androidx86 project can be used as an Virtual system through VM by using Virtual Machines software like Virtualbox

Pros and Cons of using android as virtual System

Pros :

- You can control the hardware permissions of AndroidX86 system, for example, preventing it from accessing microphone , camera, and identifiable information such as Mac Address or IMEI which used to track users
- Forcing the system to connect through VPN services by installing a VPN service on the Host system
- System Storage can be encrypted via Veracrypt software
- It can be used via USB or via an SD Card
- Installing all Android applications and use them via a computer
- You can create more than one Android virtual system and isolate applications, for example, you can create a virtual system for messaging, and you can create a virtual system for browsing or publishing and other tasks

Cons :

Using Android X86 project through VM requires minimum hardware specifications such as 4 GB RAM and a processor that supports VT-x AMD-V technology.

- **Requirements:**
- Install [VIRTUALBOX](#)
- Download [ANDROID X86](#)

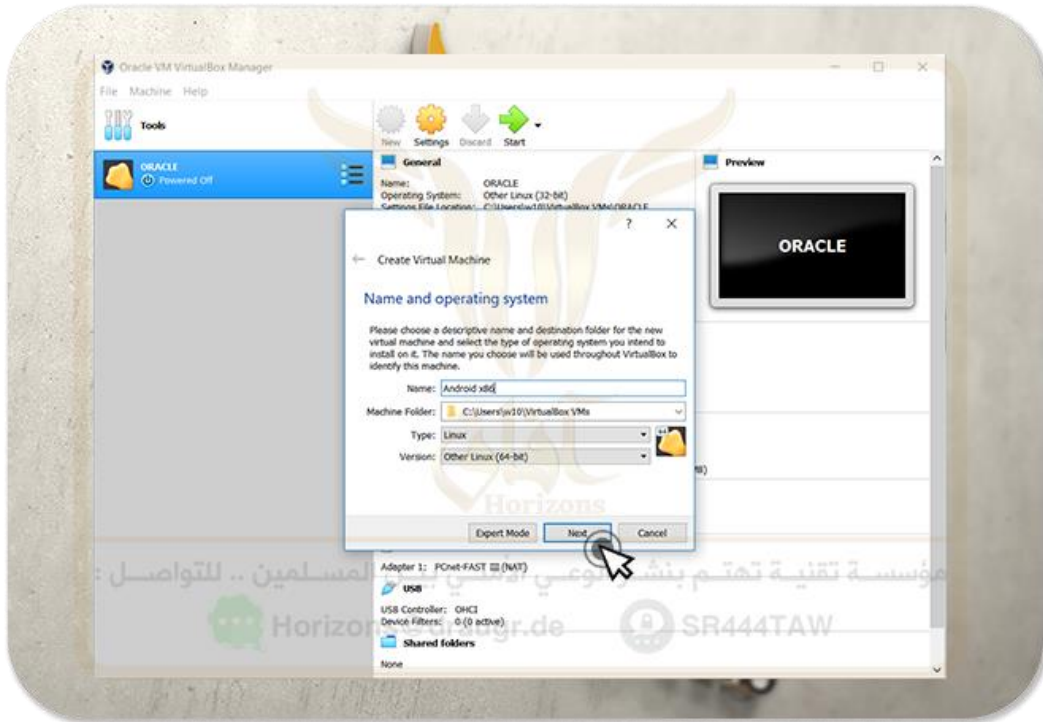
Usage

- Press on New

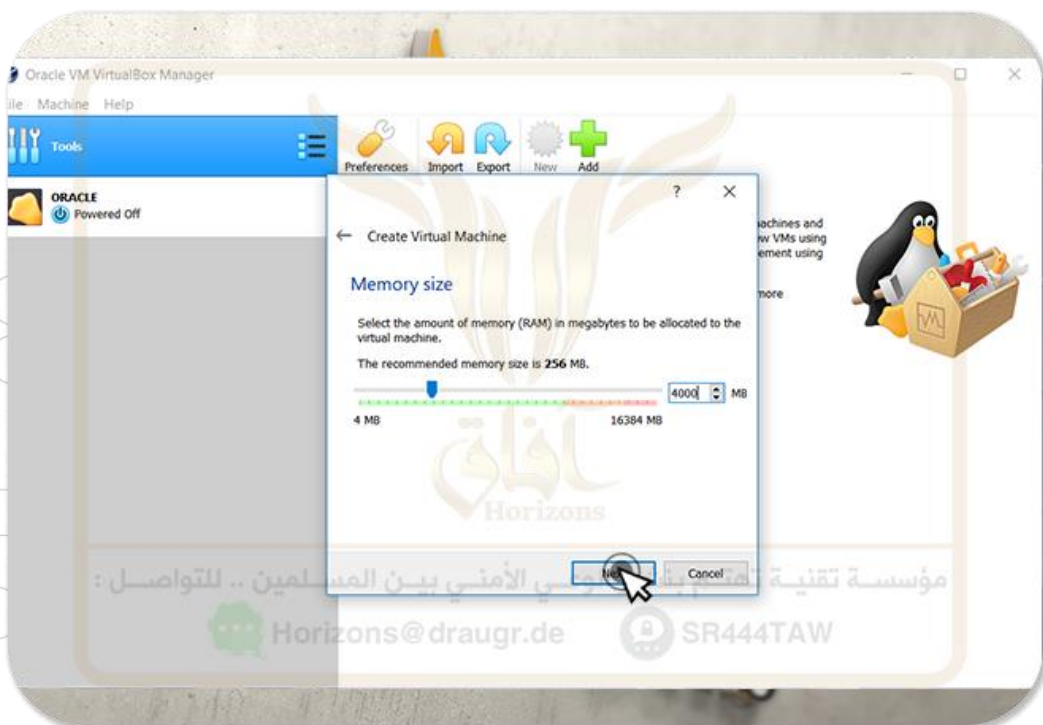


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- Enter configs as described on the screenshot below
- **Note** : Change Virtualbox config folder through pressing on Machine folder icon and choose veracrypt encrypted container directory
- Choose Next

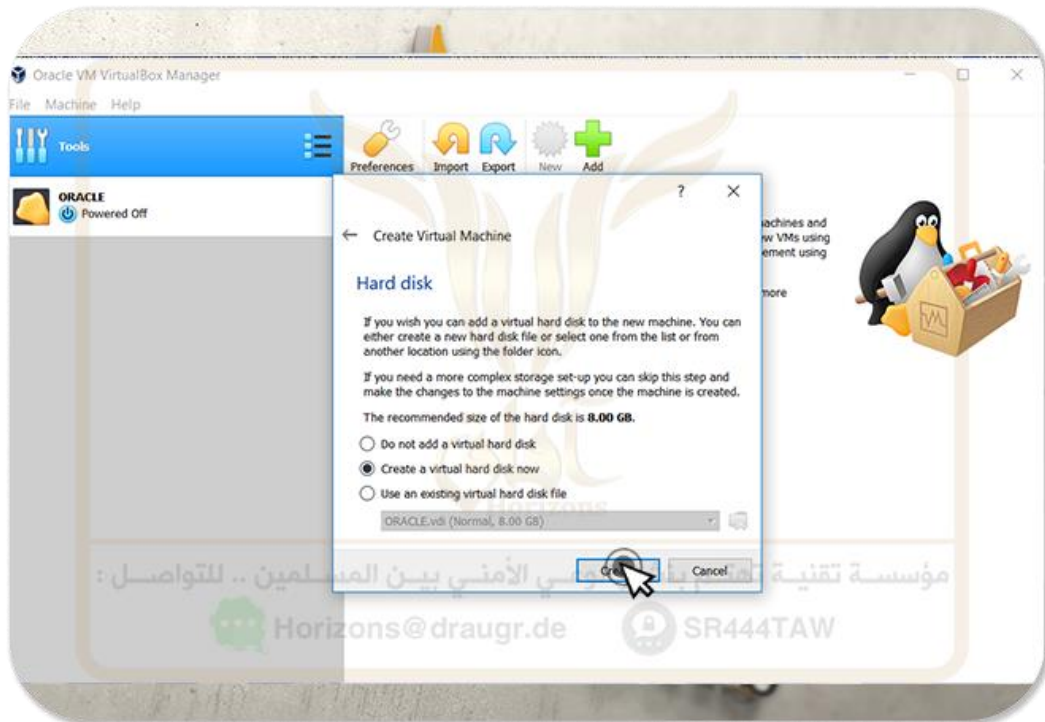


- Choose 4000 MB for Ram and press on Next

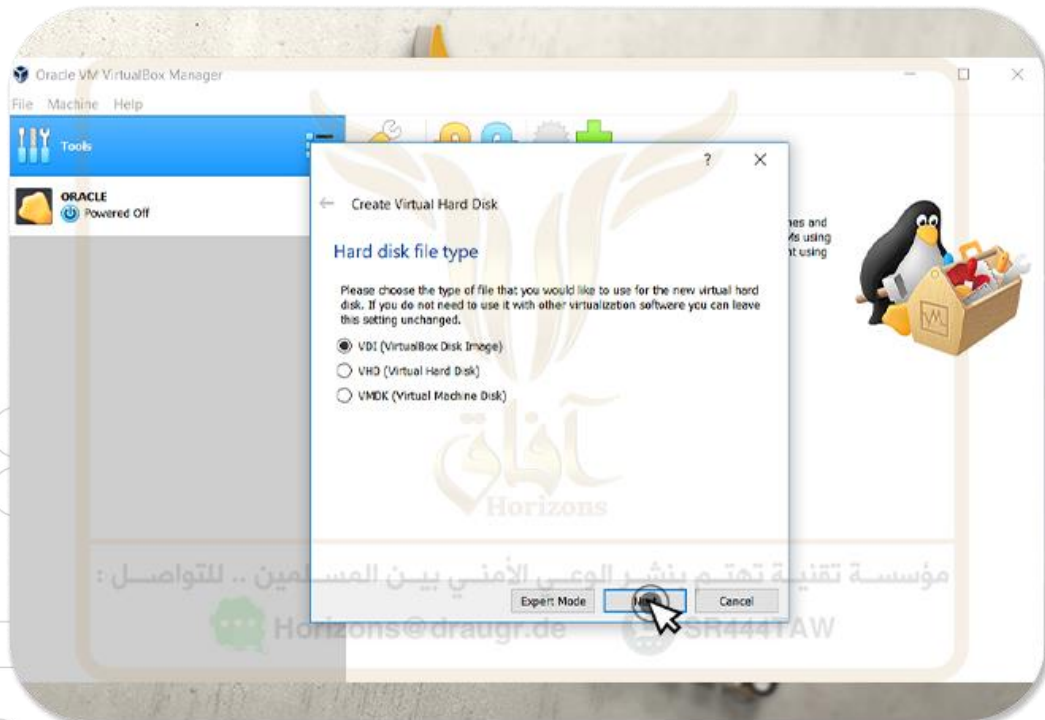


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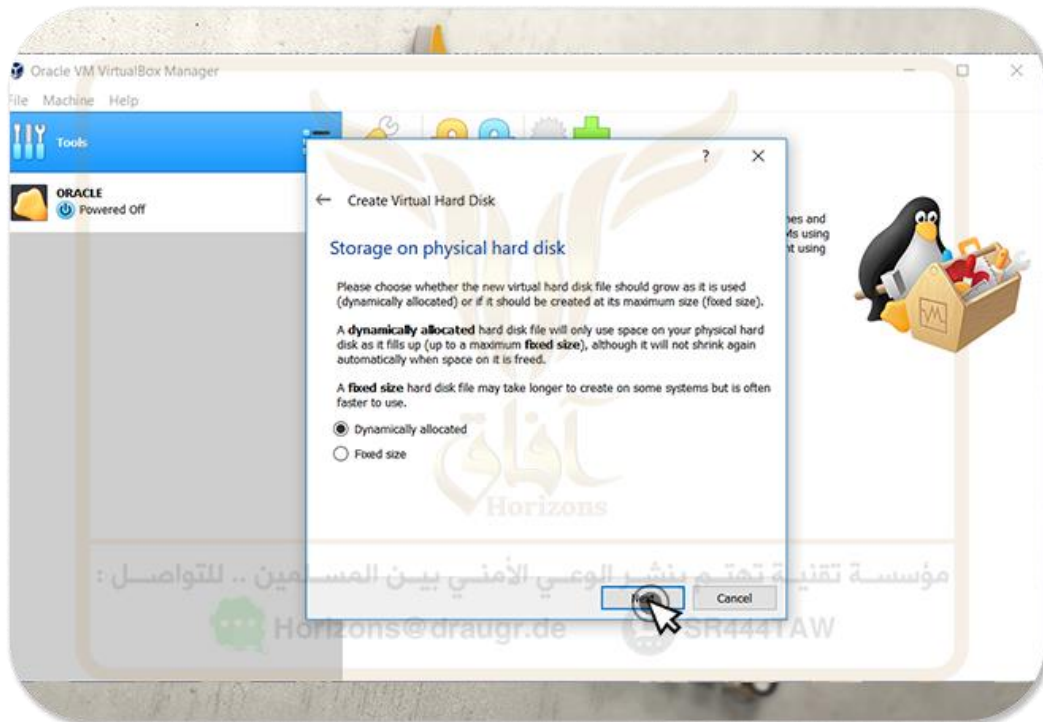
- Press on Next



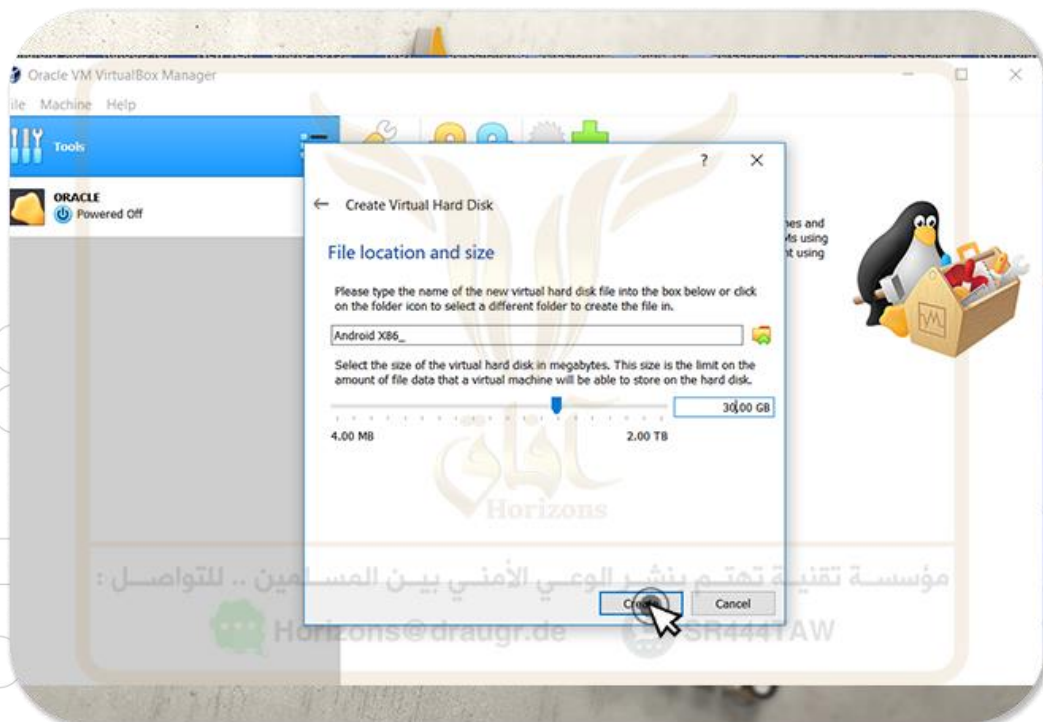
- Press on VDI then Next



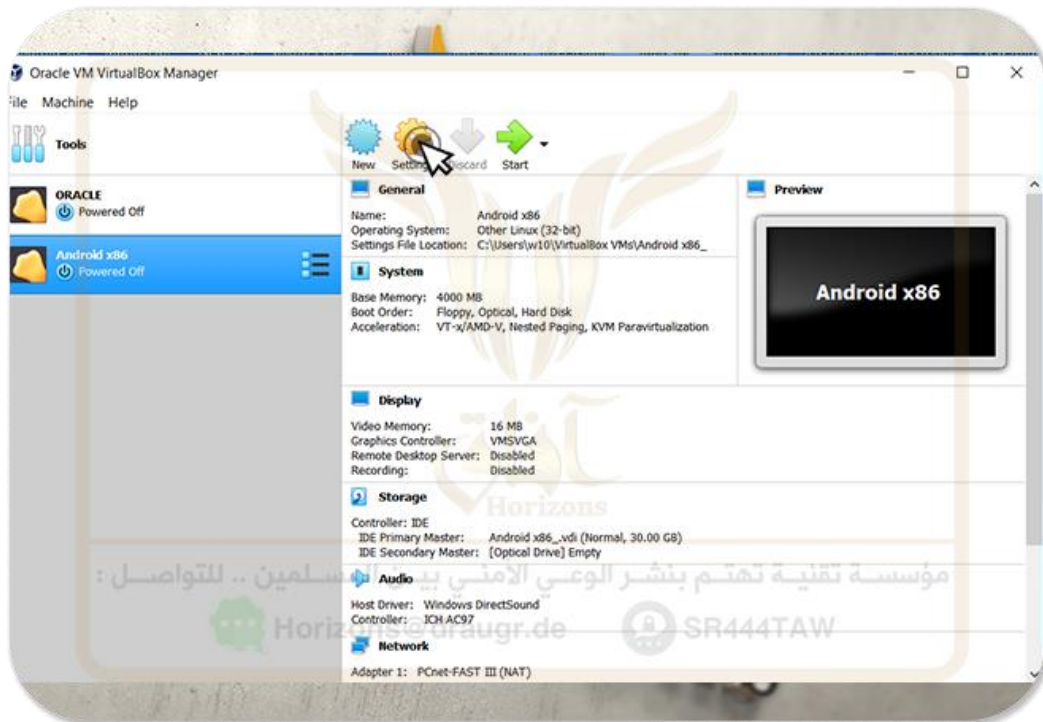
- Press on Dynamically allocated then Next



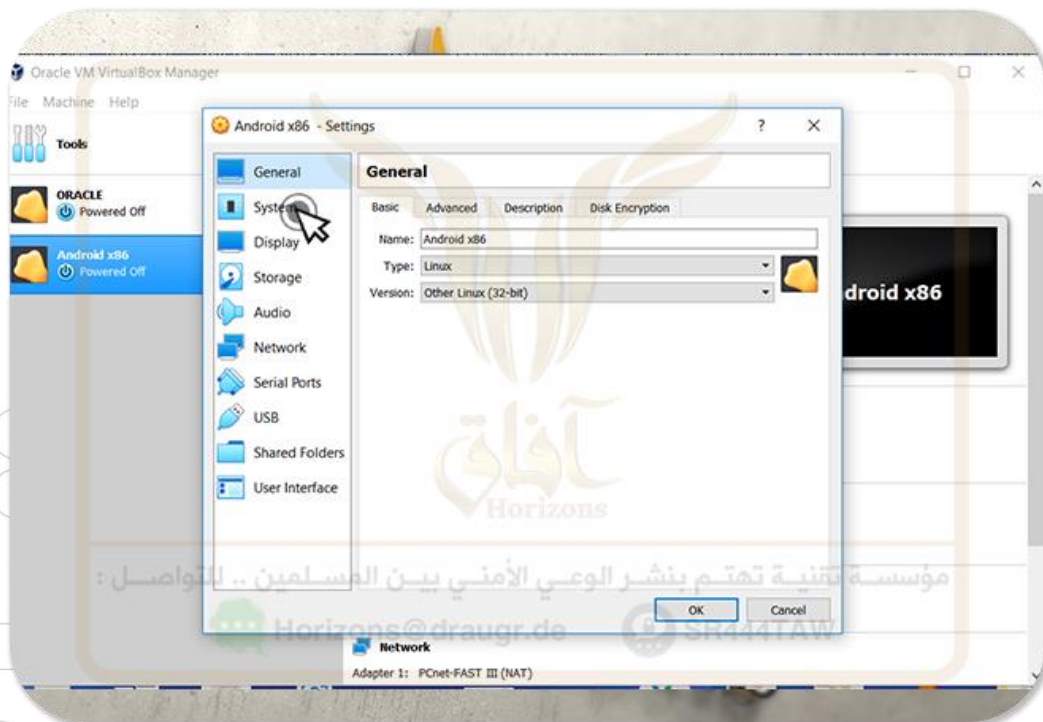
- Press on folder icon and choose veracrypt encrypted container directory
- Choose System size 30 GB recommended
- Press on Create



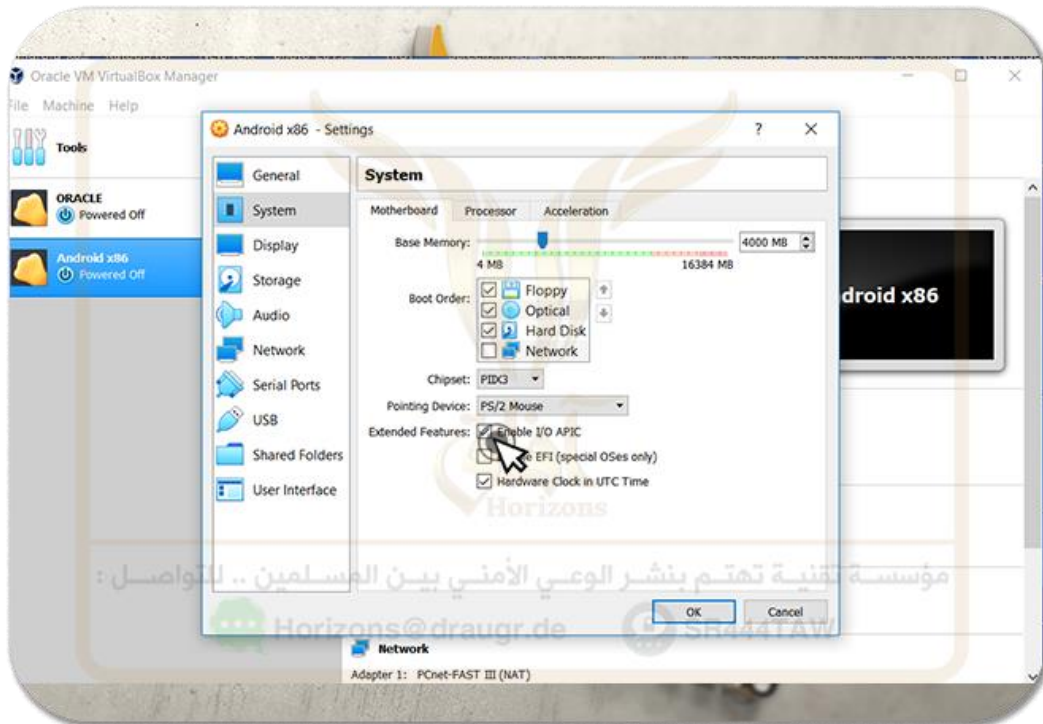
- Press on Settings



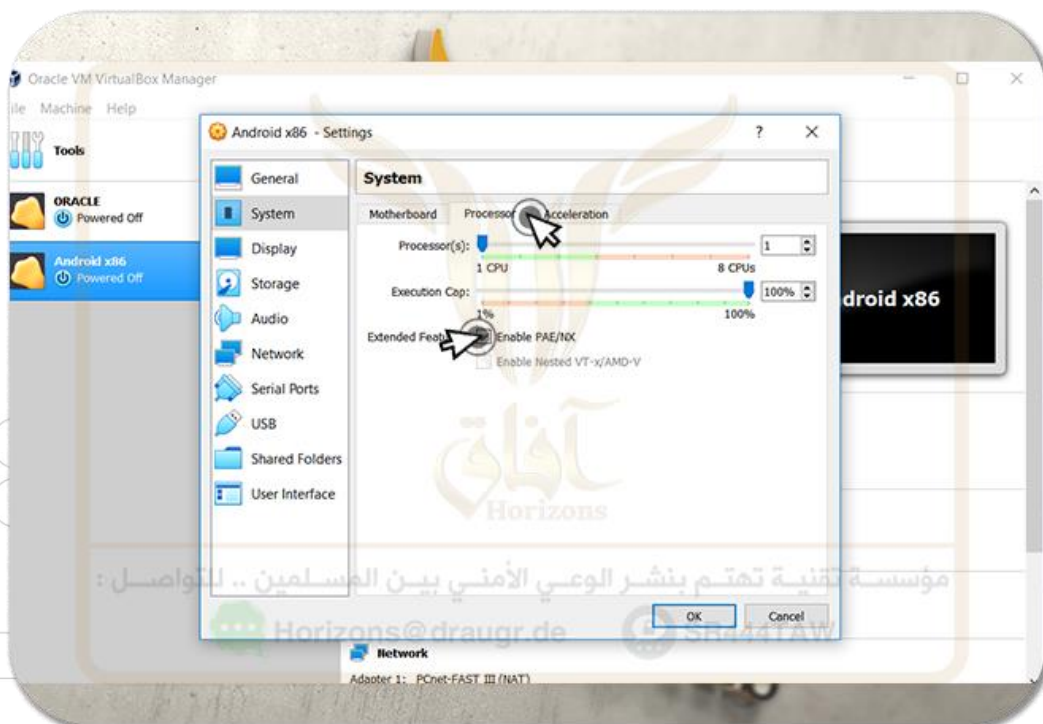
- Press on System



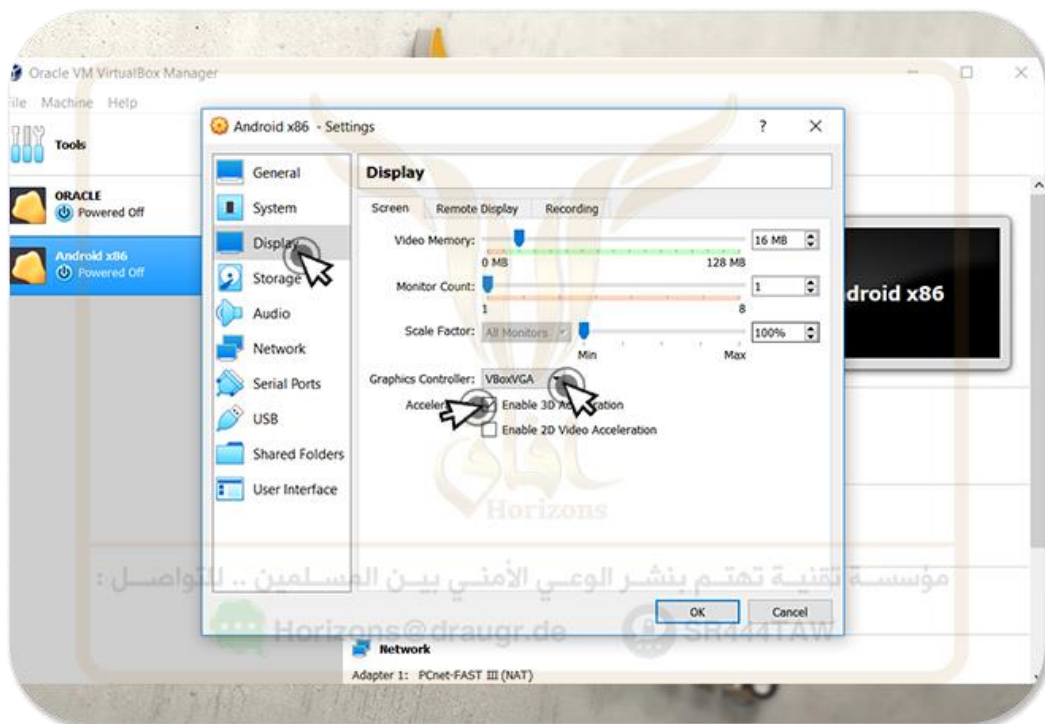
- Check Enable I/O APIC



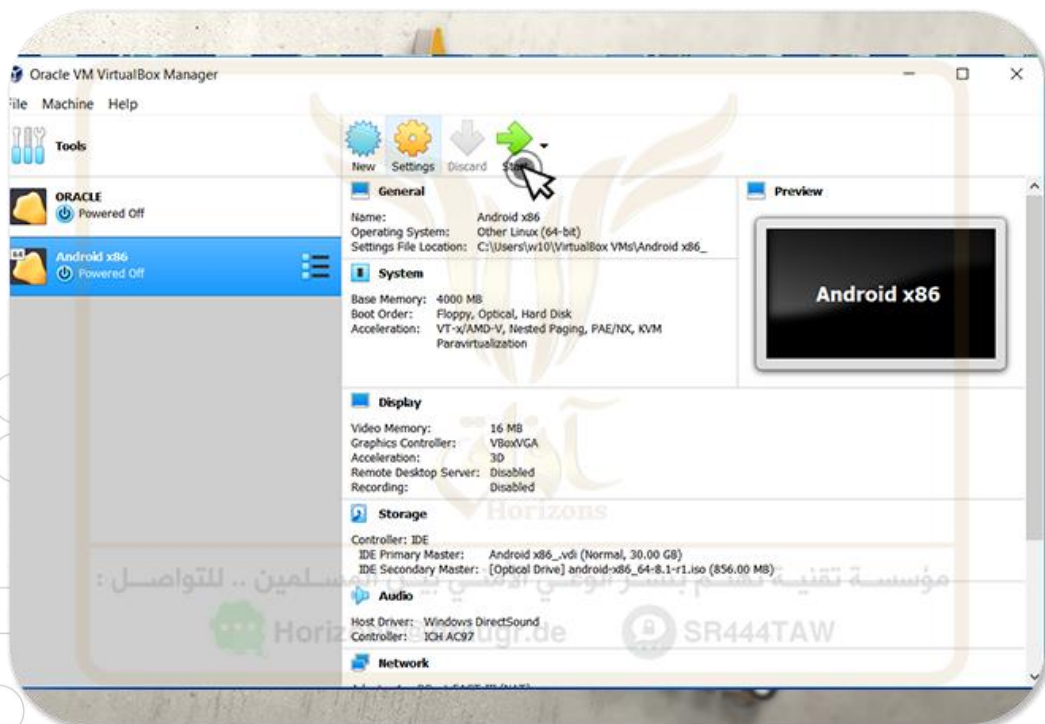
- Press on Processor and check Enable PAE/NX



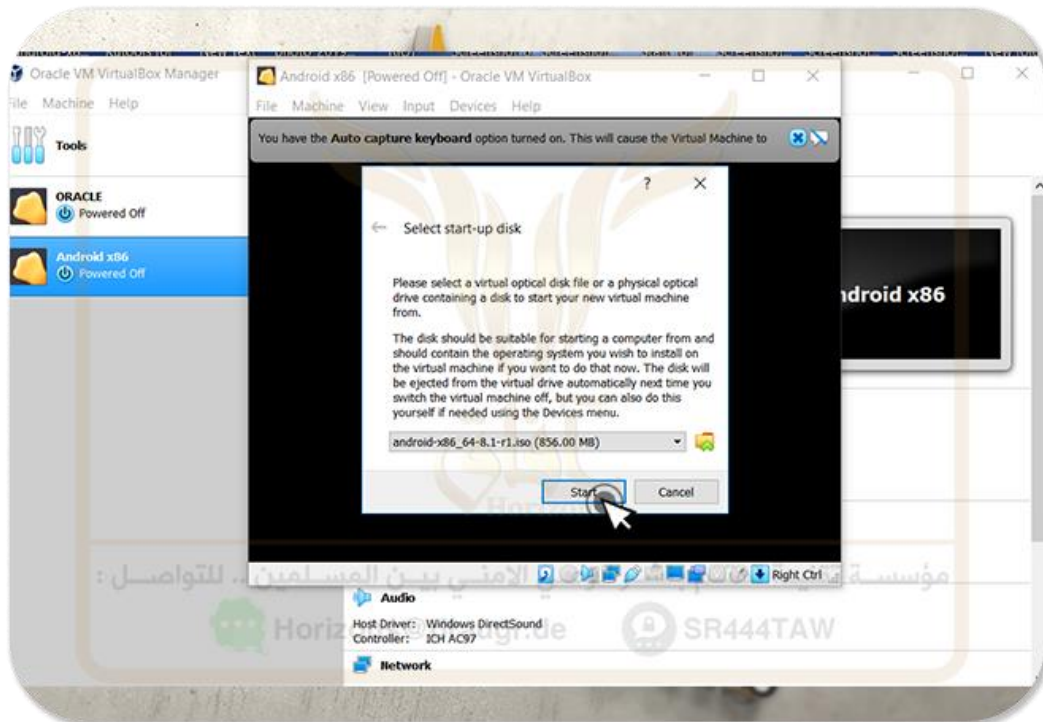
- Press on Display and choose VBoxVGA
- Activate 3D Acceleration and press Ok



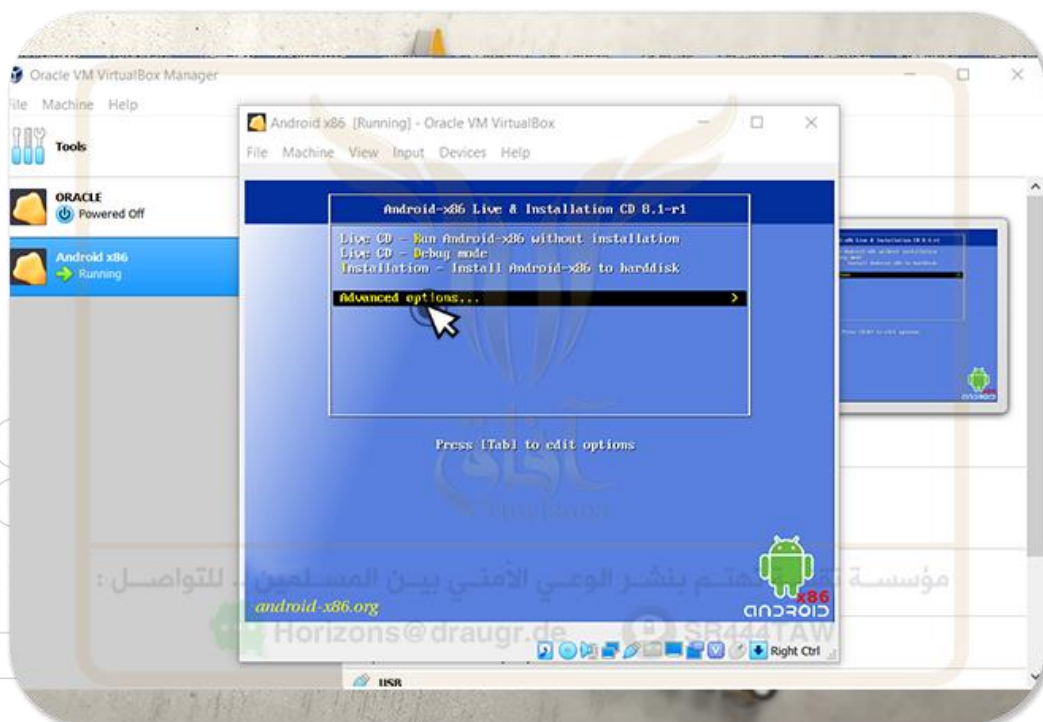
- Press on Start



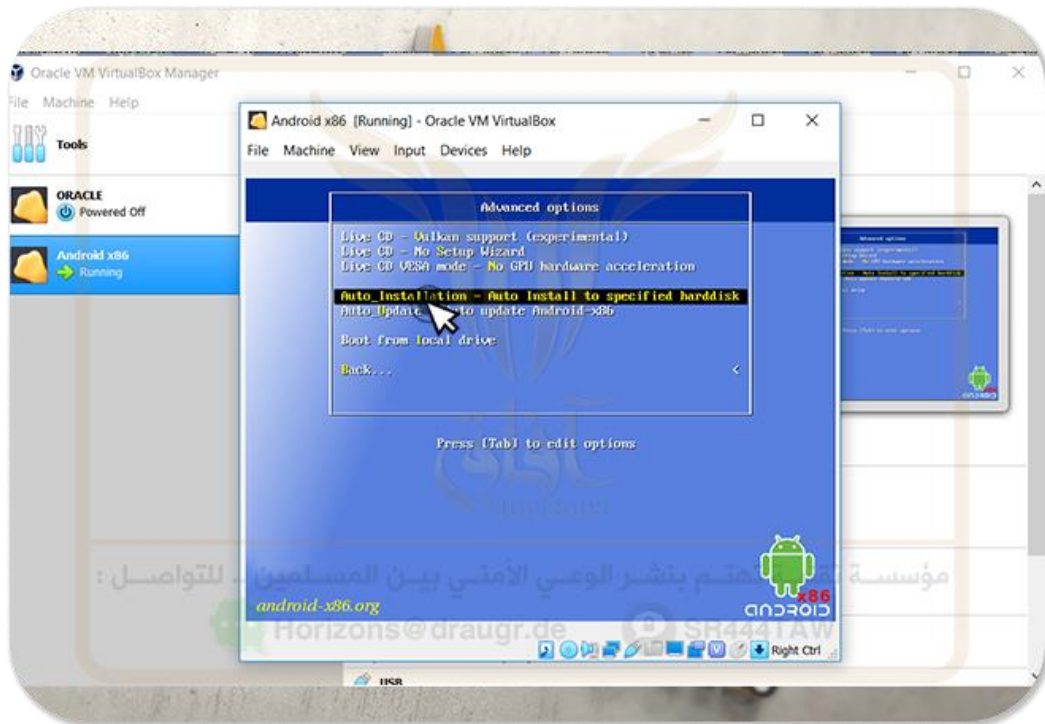
- Press on folder icon and choose Android X86 iso file then press on Start



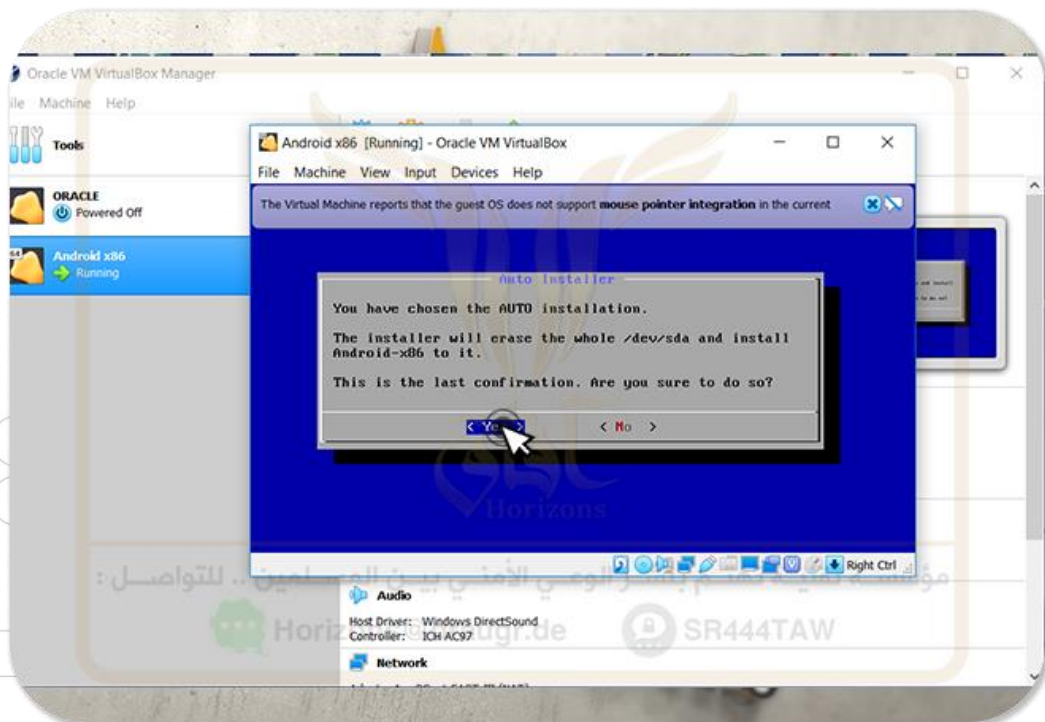
- Choose Advanced Options



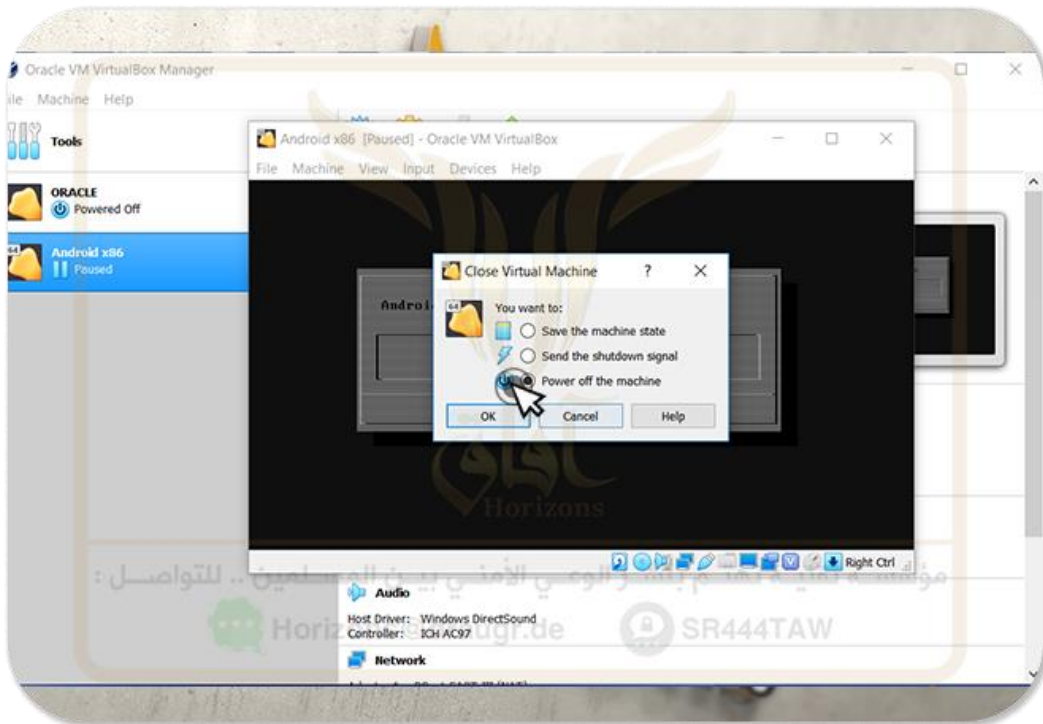
- Choose Auto installation



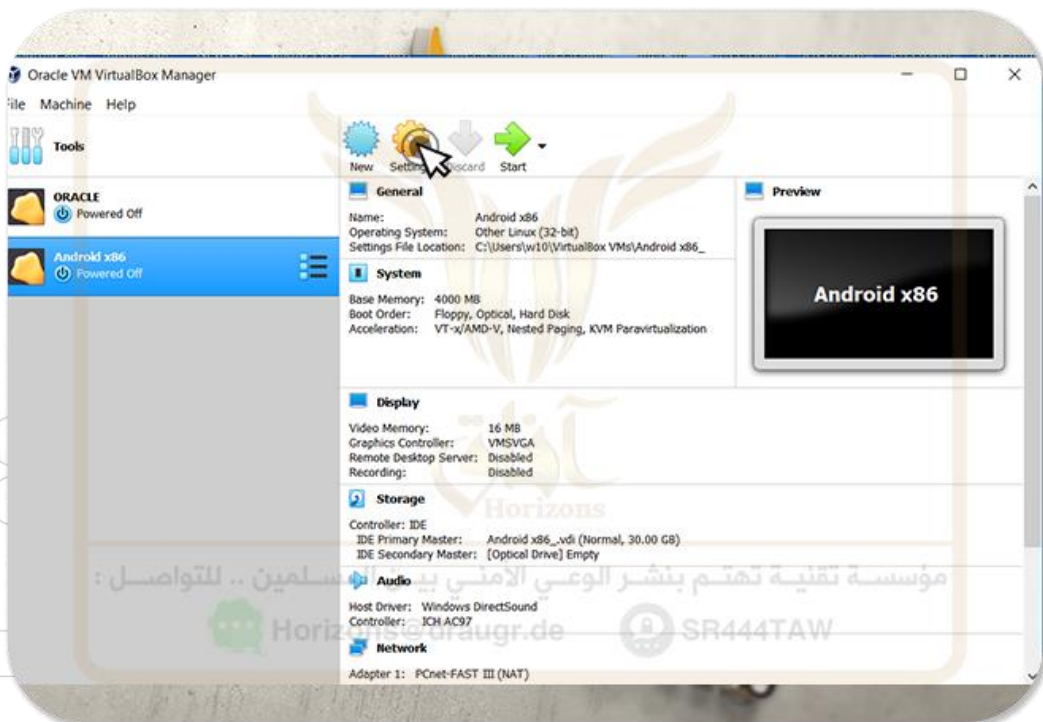
- Press on Yes



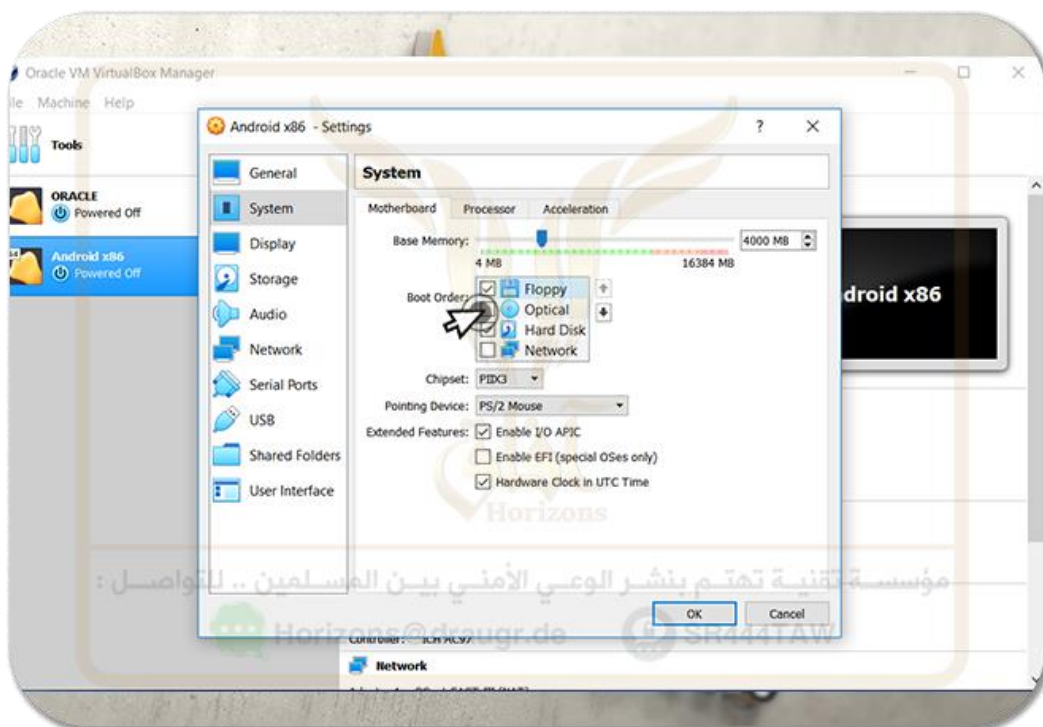
- After finishing the installation shutdown android x86



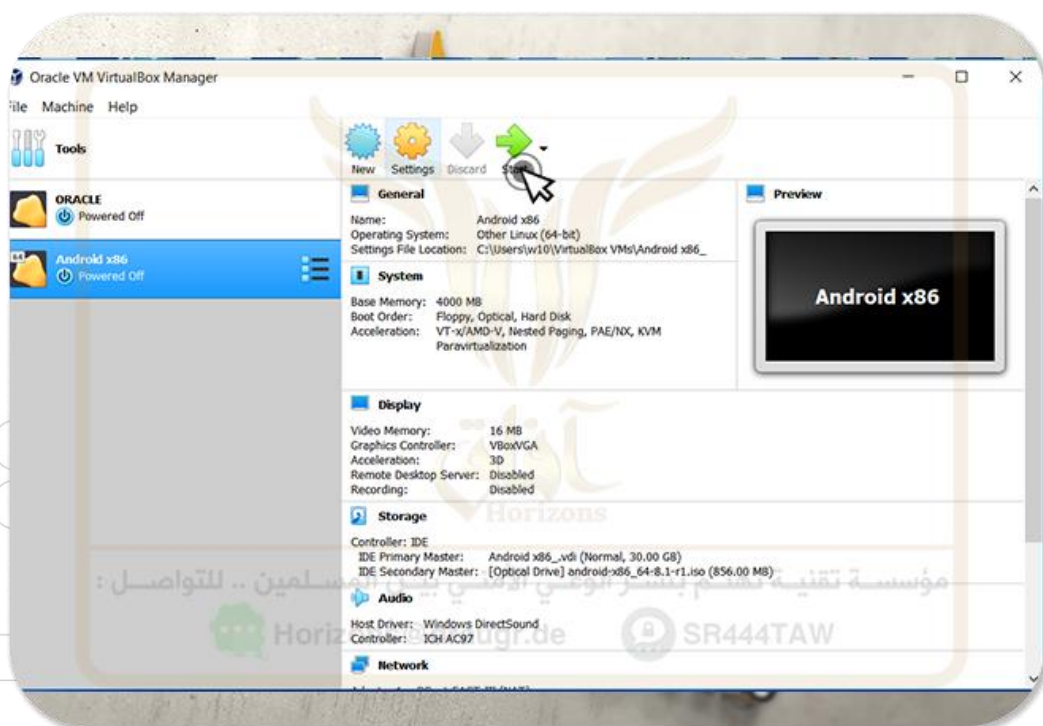
- Open Settings



- Disable Optical and press OK



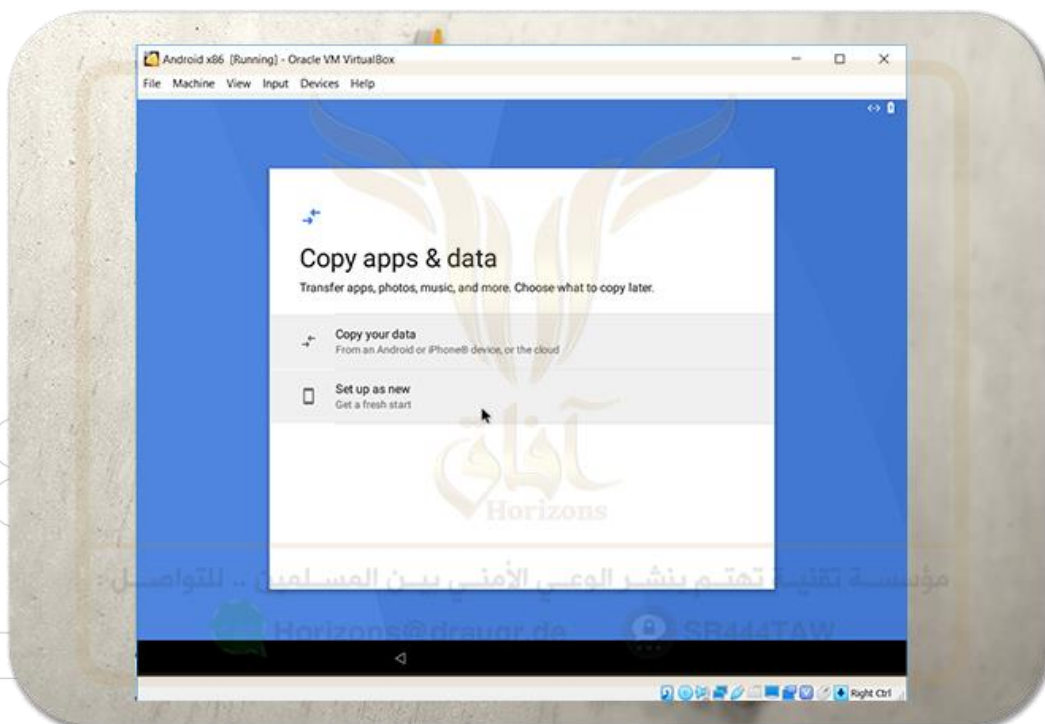
- Press on Start



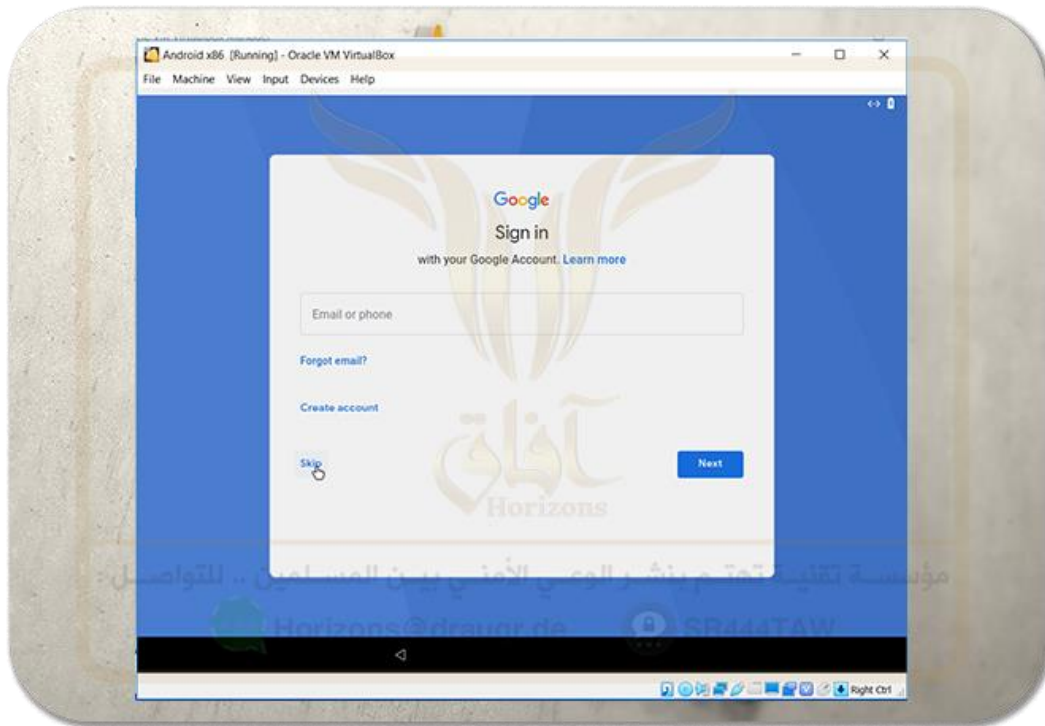
- Press on Start



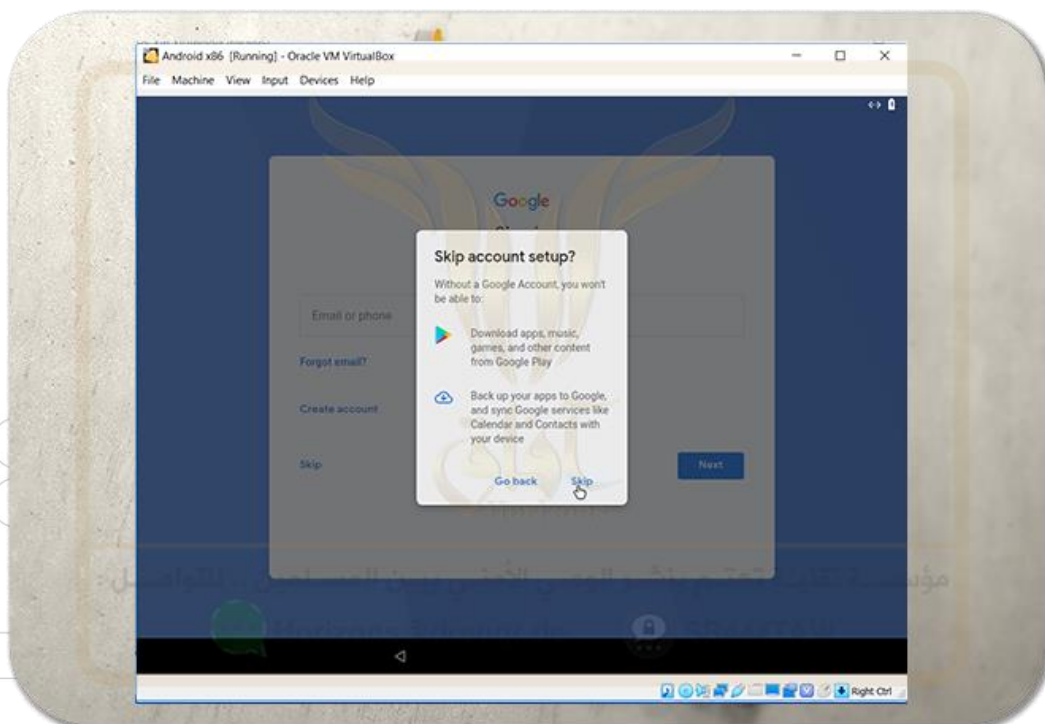
- Press on Set up as new



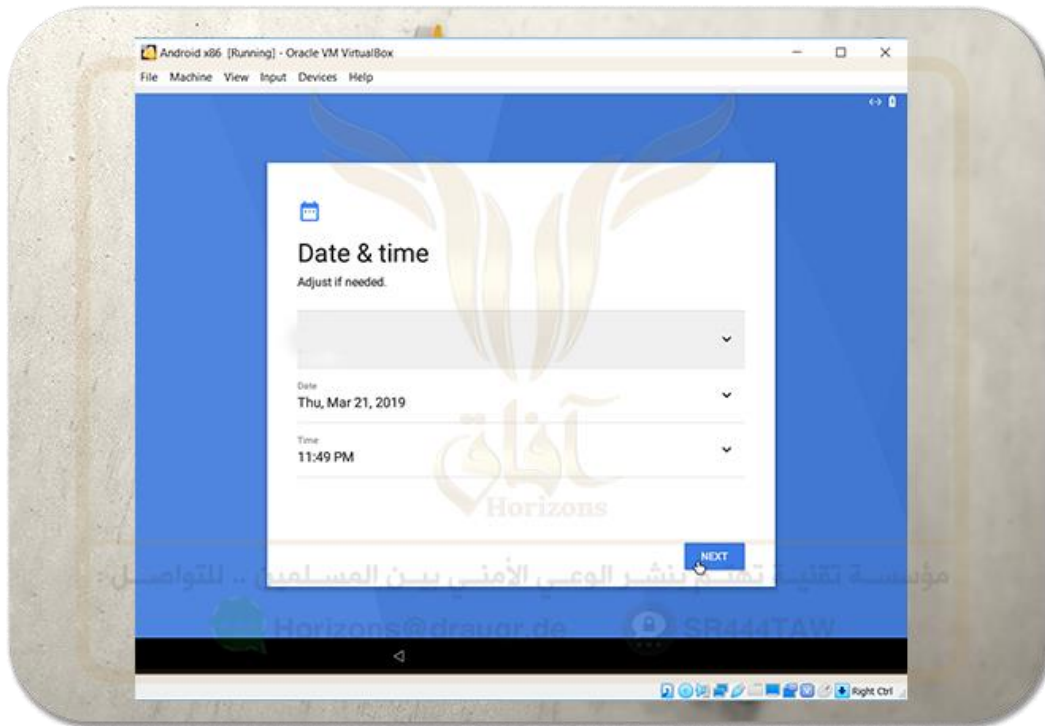
- Press on Skip



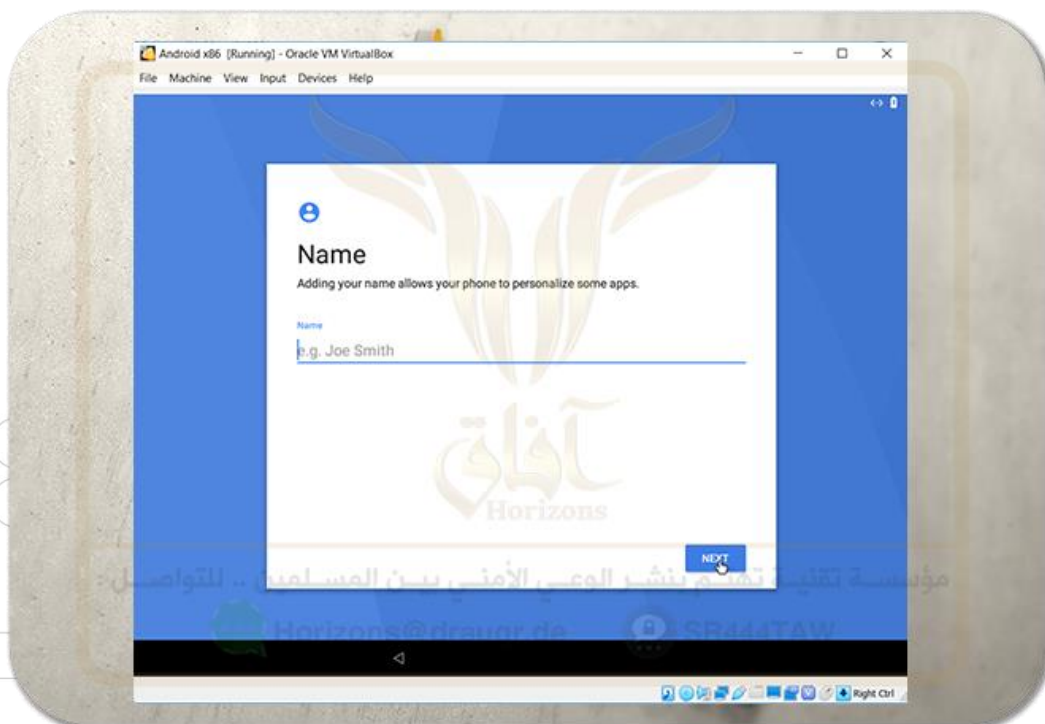
- Press on Skip



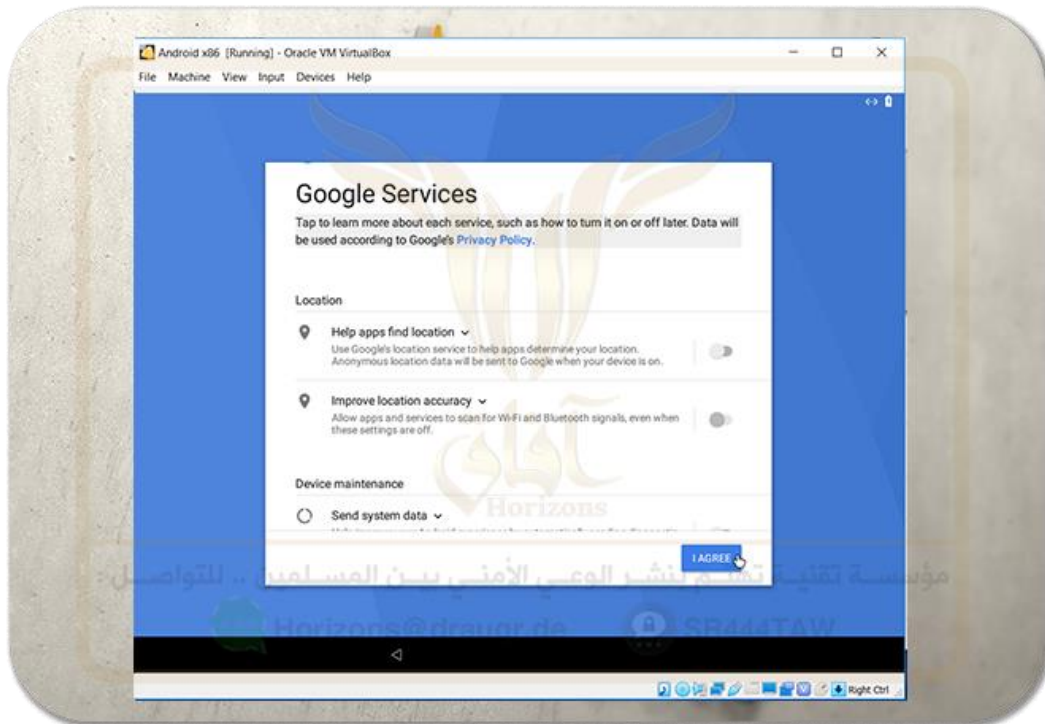
- Press on Next



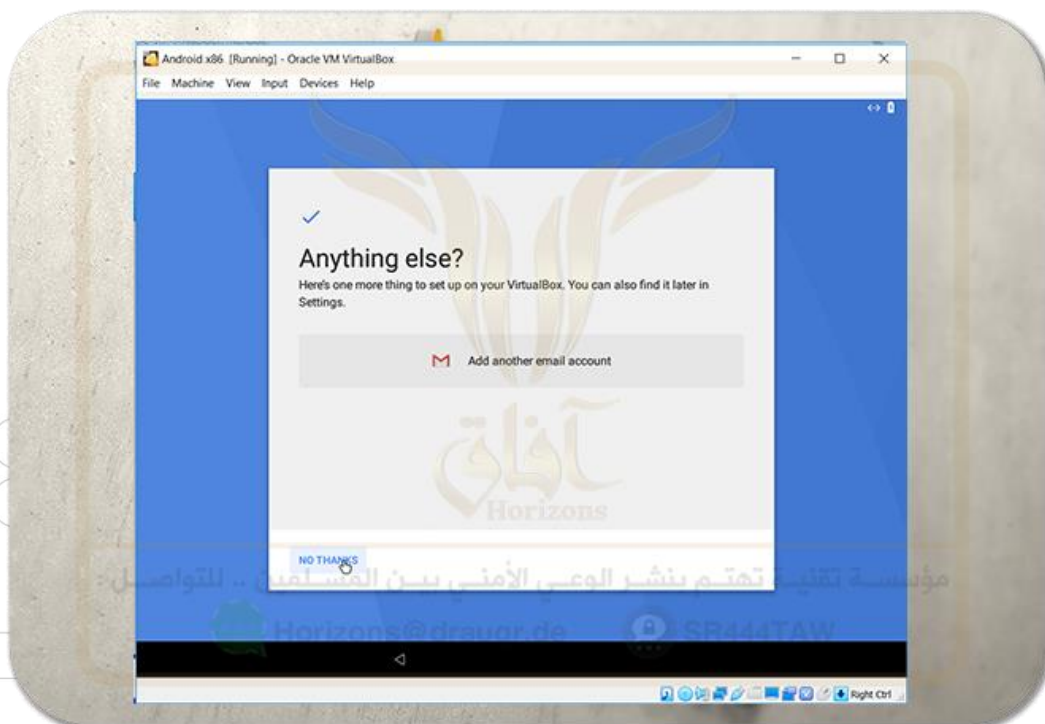
- Press on Next



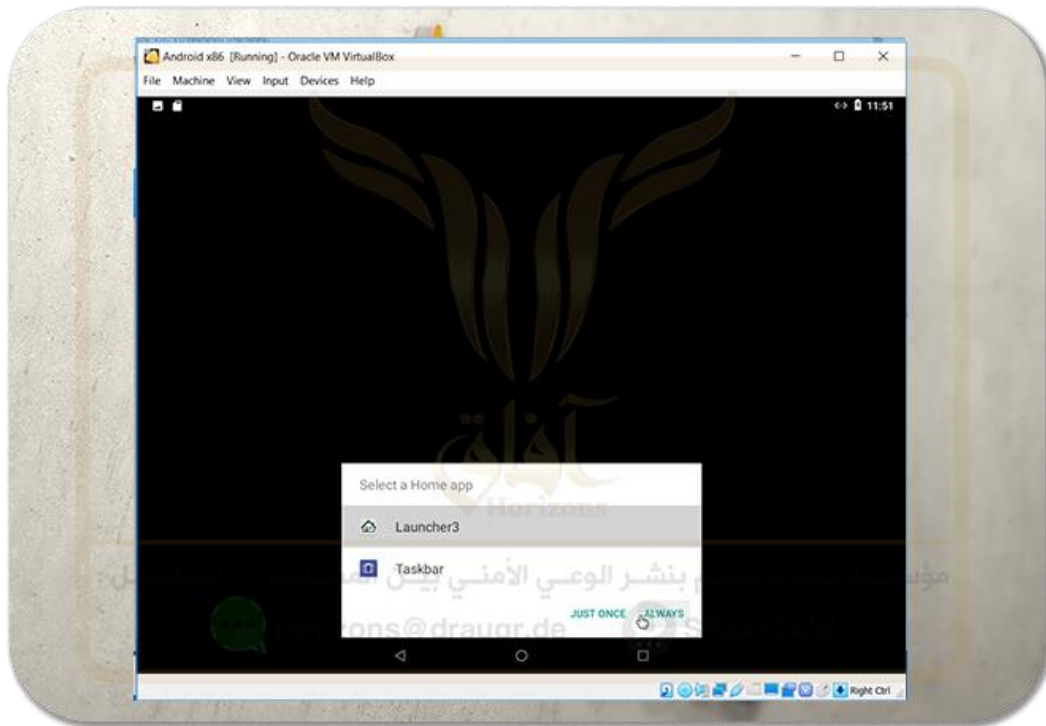
- Disable all options and press on I Accept



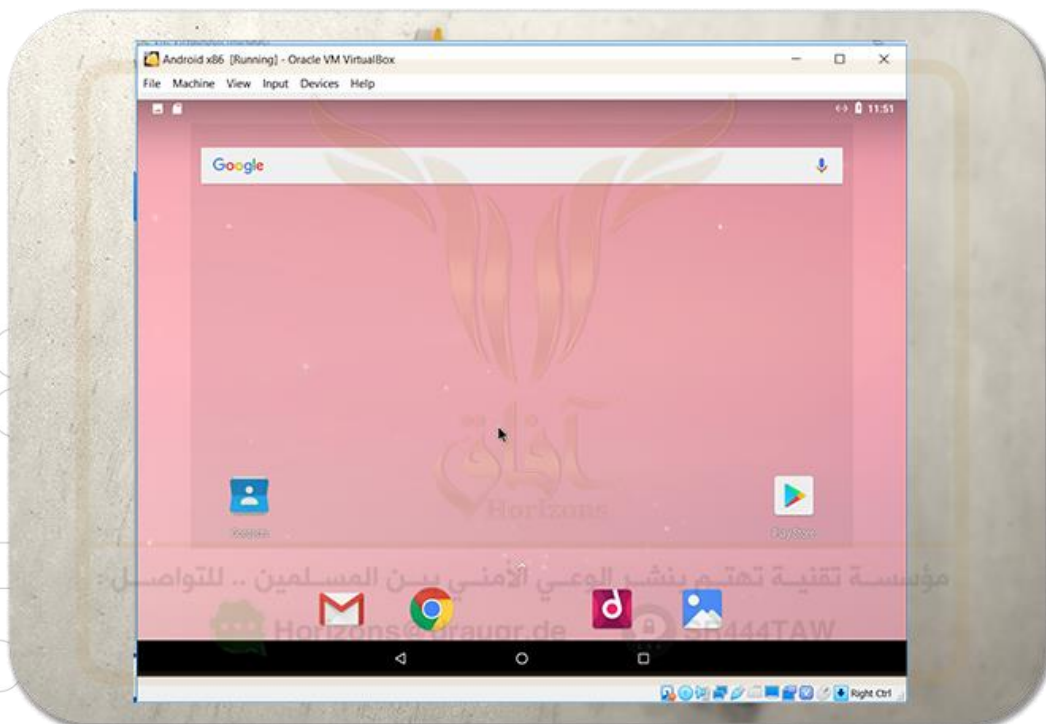
- Press on No Thanks



- Choose Launcher3 then Always



- Now Android x86 is installed successfully you can check our website for more info about Android Privacy and Security Manuals (<https://ehorizons.is>)





Electronic Horizons Foundation
is an independent foundation aims to
raise Security awareness among Muslims



Contact us on threema or XMPP to get our
Technical Support account on telegram



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